

FIG. 1

The diagram illustrates the structure of the transcribed DNA template and the resulting RNA sequences for three constructs: V-wt, M6-wt, and V-d5.

**Transcribed DNA Template:**

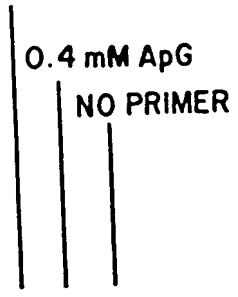
- The template is a linear DNA strand with a 5' terminus and a 3' terminus.
- Key features include the **T7 PROMOTER** (indicated by a shaded box), the **5' TERMINUS oligo U**, and the **3' TERMINUS**.
- Restriction enzyme sites are marked with arrows: **HindIII** (upward arrow), **Dra I** (upward arrow), **MboII** (upward arrow), **EcoRI** (upward arrow), **PstI** (upward arrow), and **Sma I** (upward arrow).
- The template is flanked by **pUC-19** plasmid regions (indicated by black boxes).

**RNA Sequences:**

The RNA sequences are shown below the template, with positions 1, 10, 20, 30, 40, and 50 marked. The sequences are:

- V-wt RNA:** 5'-AGUAGAAACAAGGGUGUUUUUUAUCAUAUAAACUUCACCCUGCUUUUUGCU-3'
- M6-wt RNA:** 5'-AGCAAAAGCAGGGUGAAGUUUAAAUAGAUAGAAAAACACCCUUGUUUUCUACU-3'
- V-d5 RNA:** 5'-AGAUCUAUUAAACUUCACCCUGCUUUUUGCU-3'

53 nt MARKER



1 2 3

FIG. 3A

reaction product		ssRNA probe		
-	+	+	-	S1

1 2 3 4

FIG. 3B

FL RNA

Sm RNA  
 M-Wt  
 V-wt

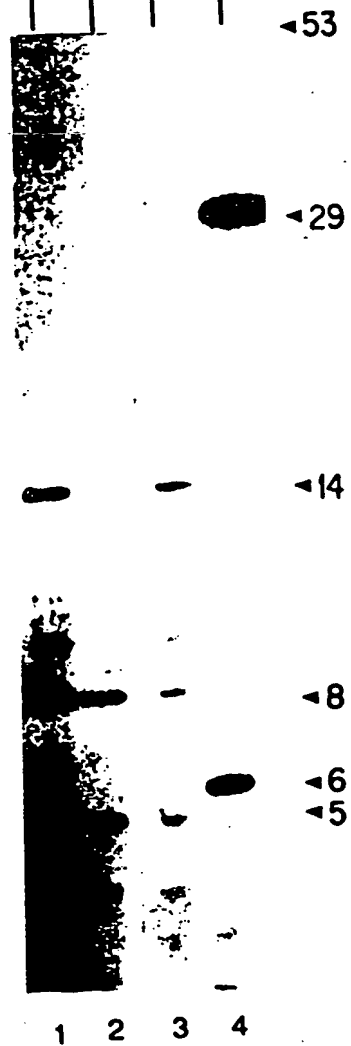


FIG. 3C

554760-659660

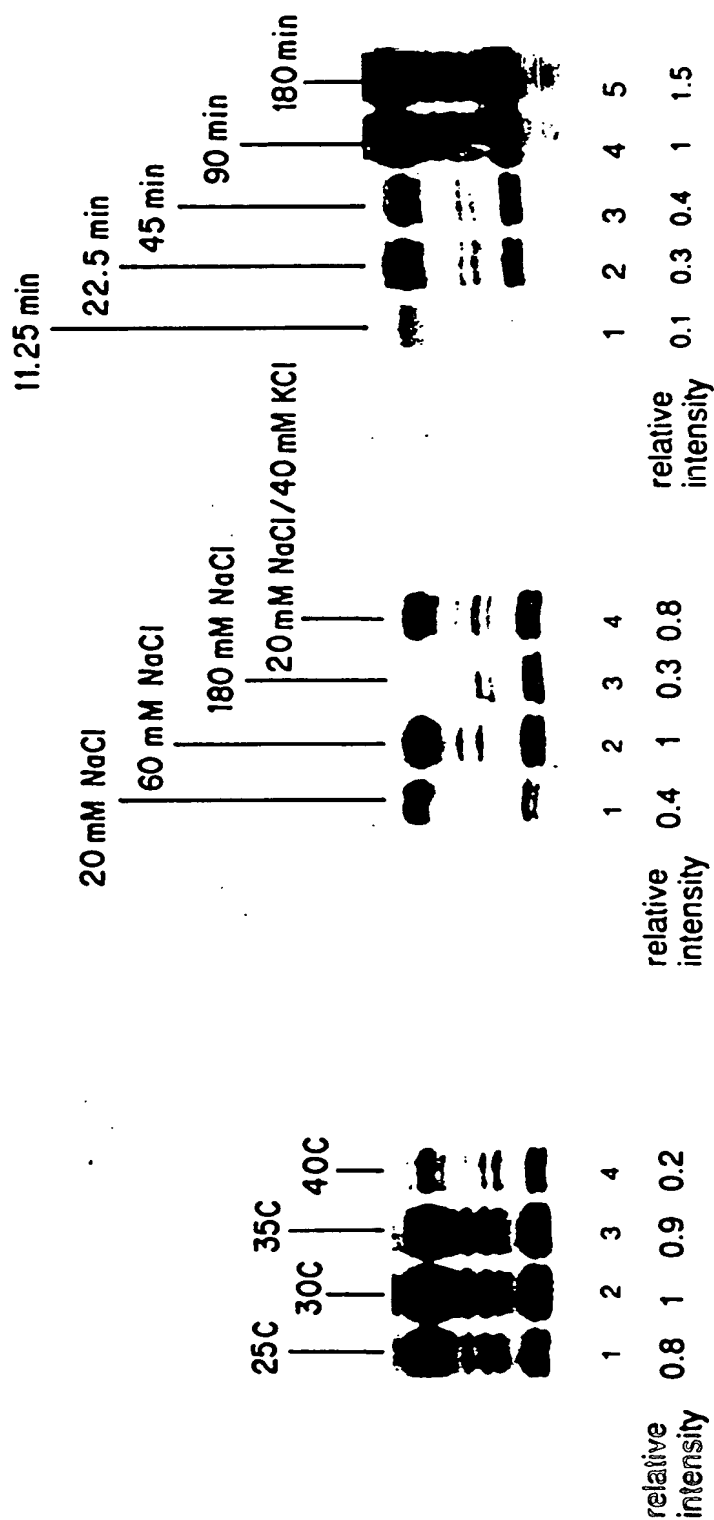


FIG. 4A

FIG. 4B

FIG. 4C

554760 6253550

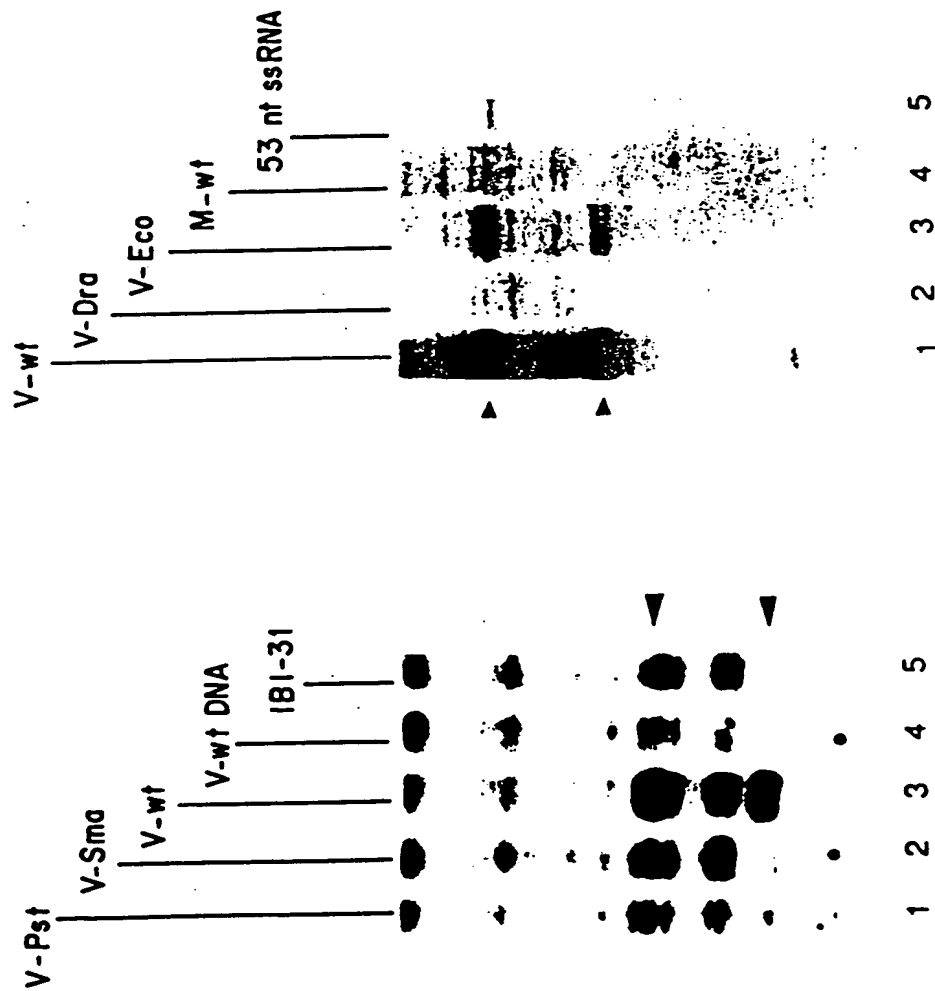
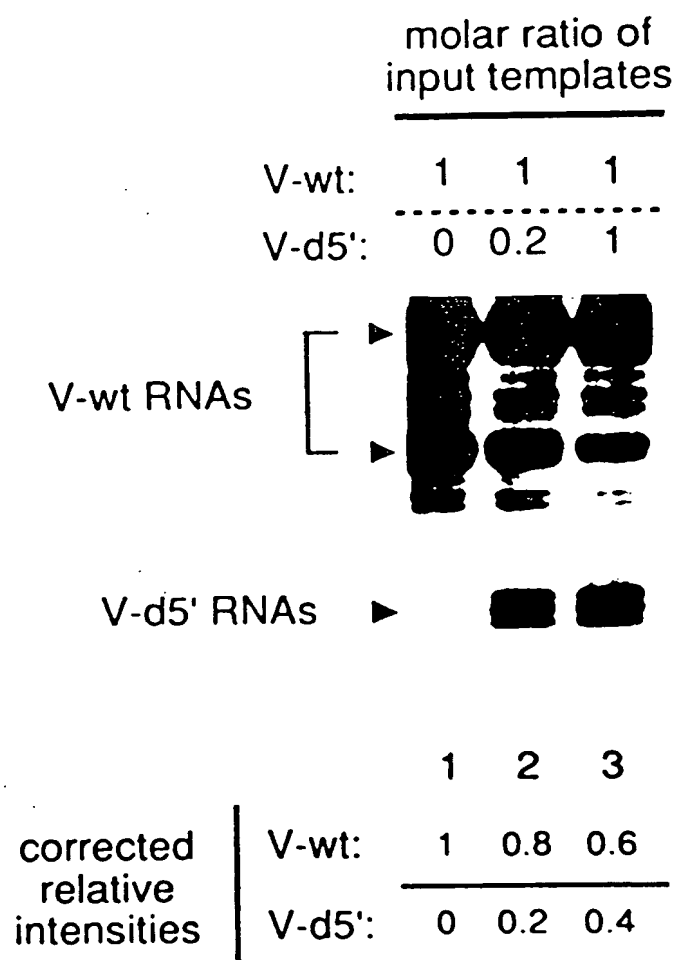


FIG. 5A

FIG. 5B

554T50" 6E595660



**FIG. 6**

664760" 6E596E60

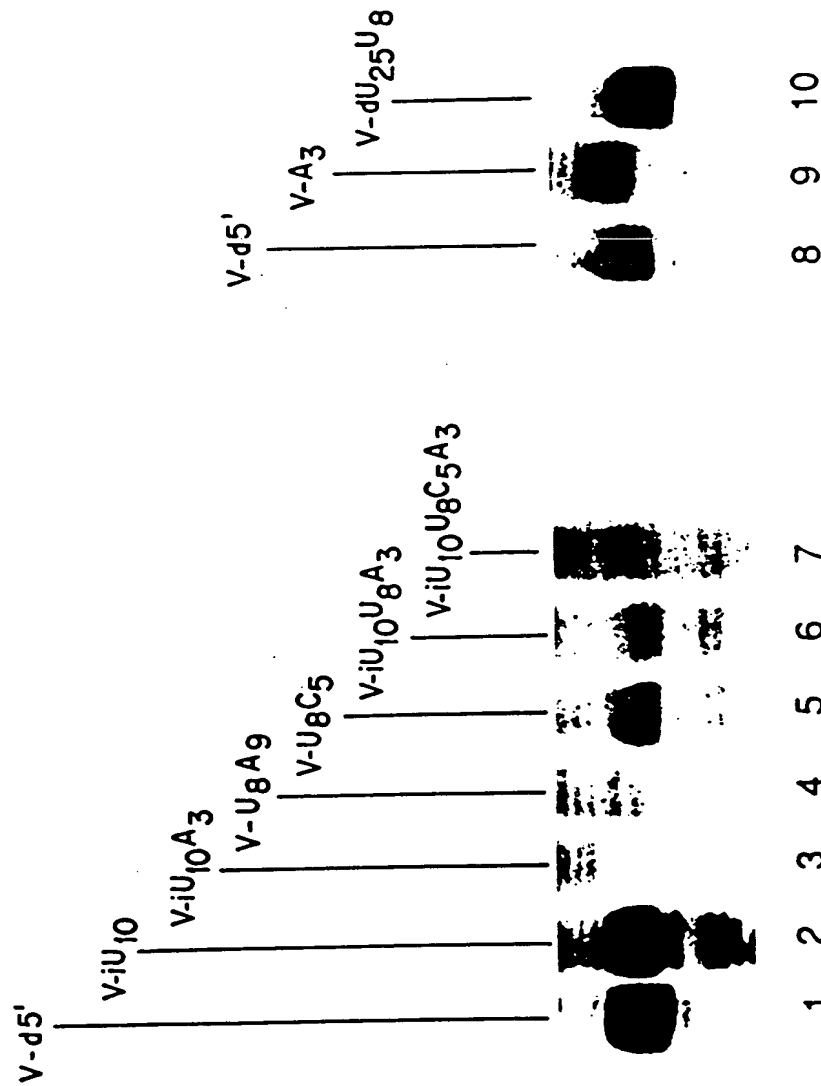


FIG. 7

654760" 659660

APPROVED  
FIG.  
SUBCLASS  
DRAFTS

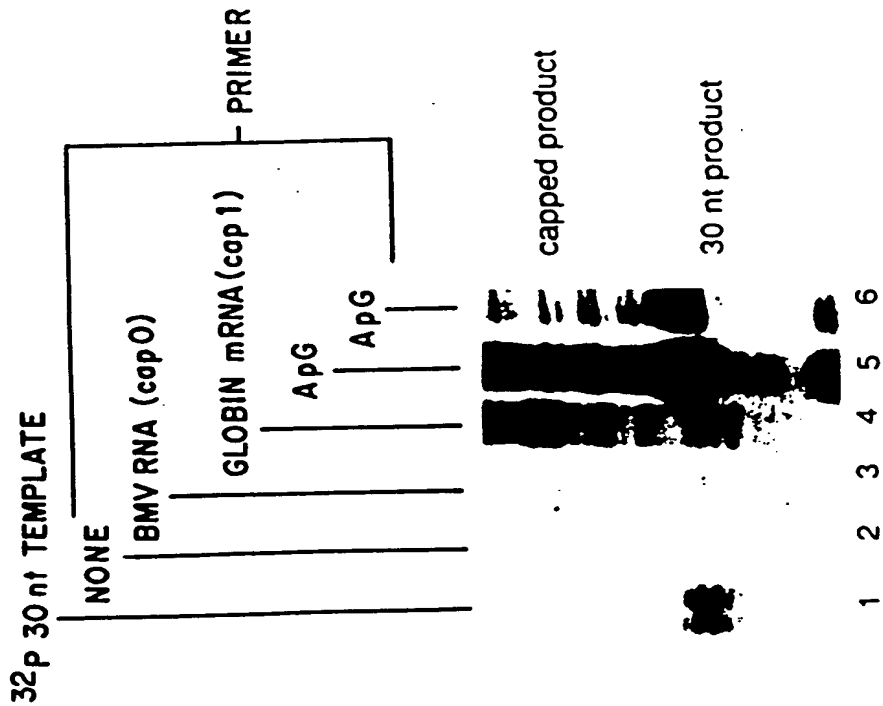


FIG. 8A

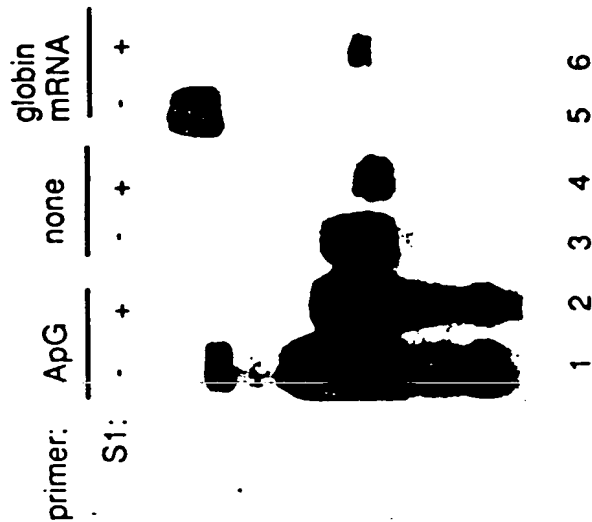


FIG. 8B



no primer

ApG

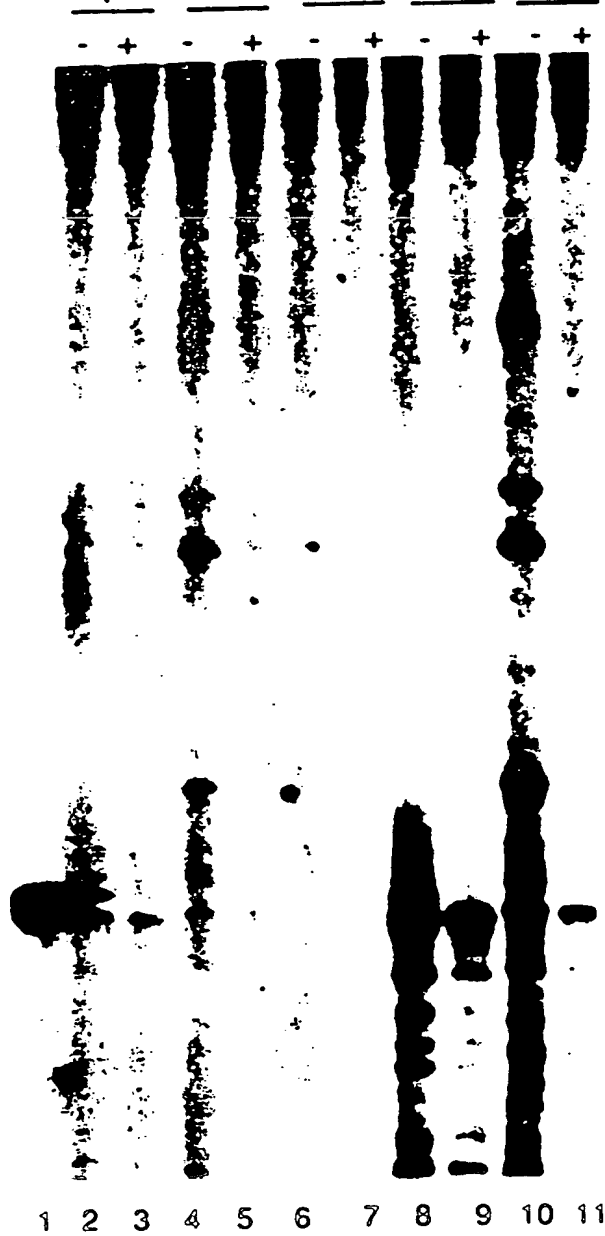
890 nt MARKER

vRNA  
Hga-NS

NO TEMPLATES

Hga-NS  
vRNA

S1



◀ 3 P

◀ HA

◀ NP

◀ NA

◀ M

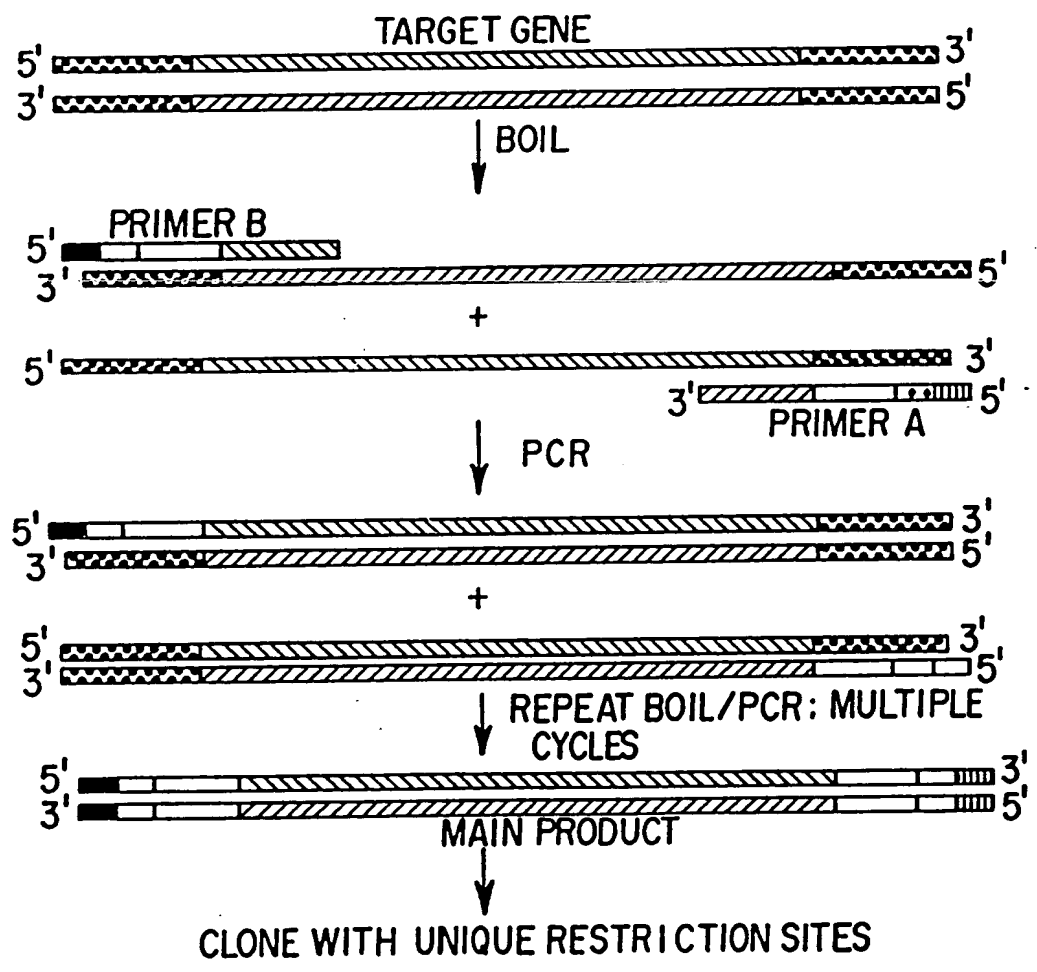
◀ NS

1 2 3 4 5 6 7 8 9 10 11

FIG. 9

664760-66596660

FIG. 10



FLANKING SEQUENCE	PHAGE PROMOTER
;  UNIQUE RESTRICTION SITES	VIRAL SEQUENCE (5' OR 3')
;  TARGET GENE SEQUENCE	CLASS IIS SITE

664760" 62596660

6535550

FIG. 11A

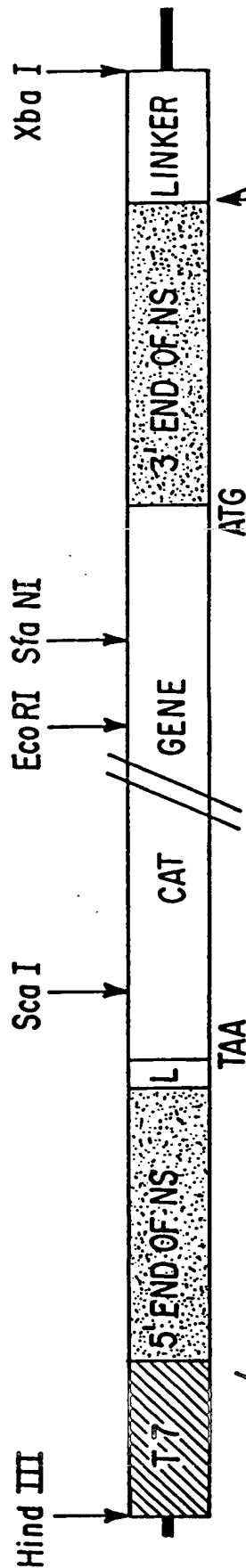
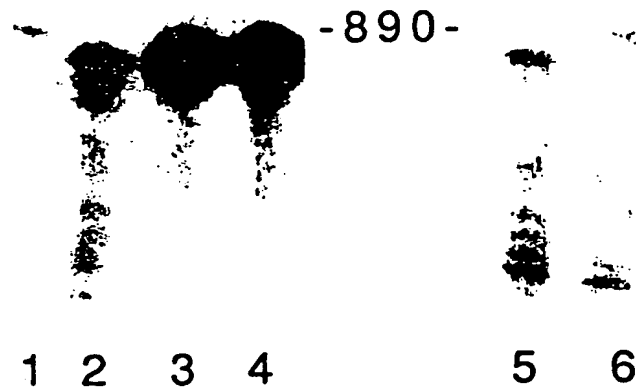


FIG. 11B

5' AGUAGAAACAAGGGGUGUUUUU CAGAU CUA UUACGGCCCGGCC // GUGGUUAUACCCAGAGUUUUUUUUCUCCAU UAUGUCUUUUUGUCACCCUGCUUUUGCU 3'

FIG. 12



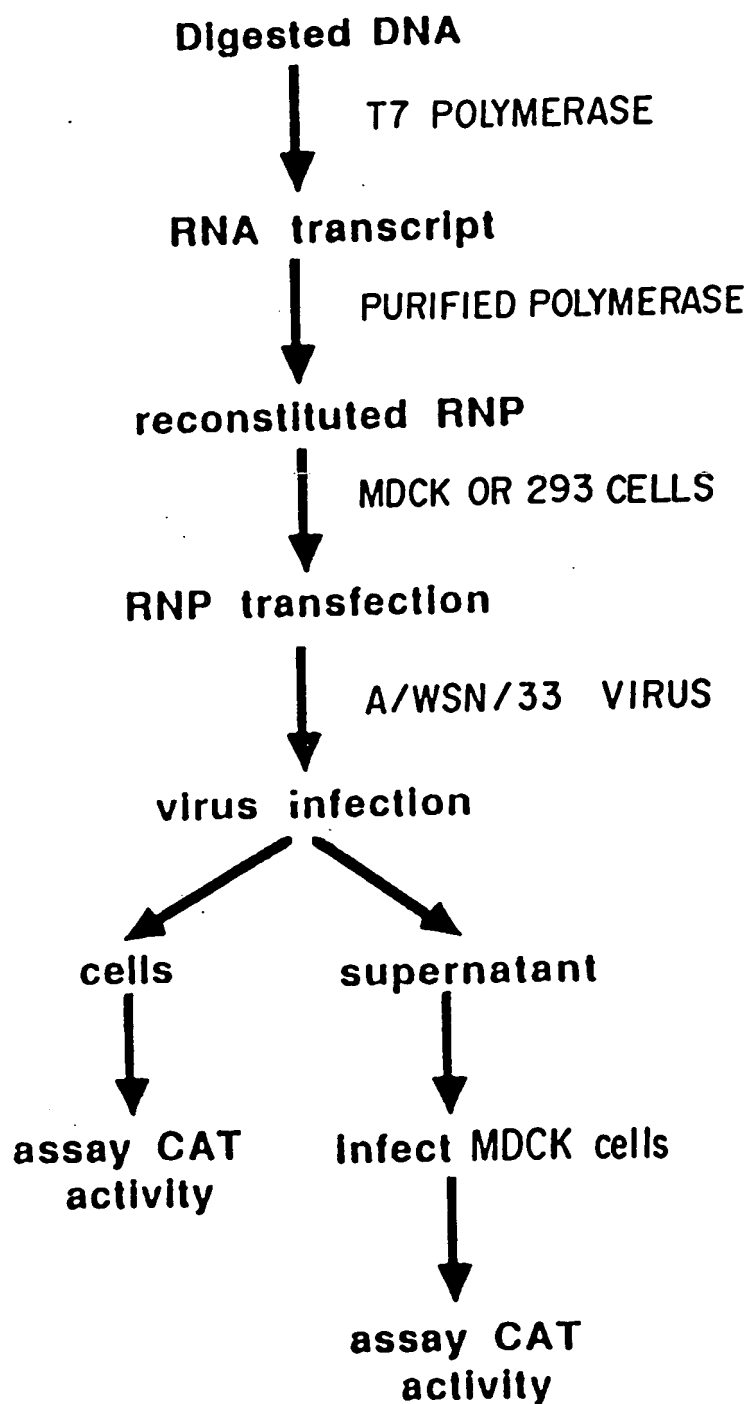


FIG. 13

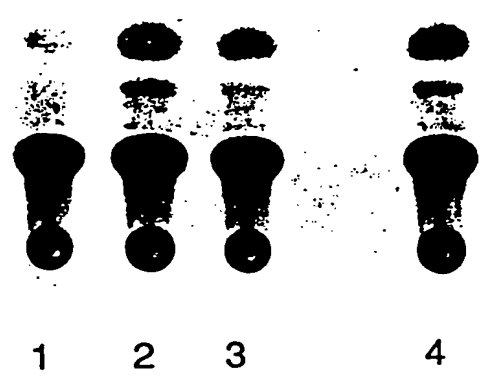
564T50" 65596E60

FIG. 14A

**FIG. 14B**

	1	2	C	3
	7	3		7
RNP TRANSFECTION	-1	-1		+2

FIG. 15







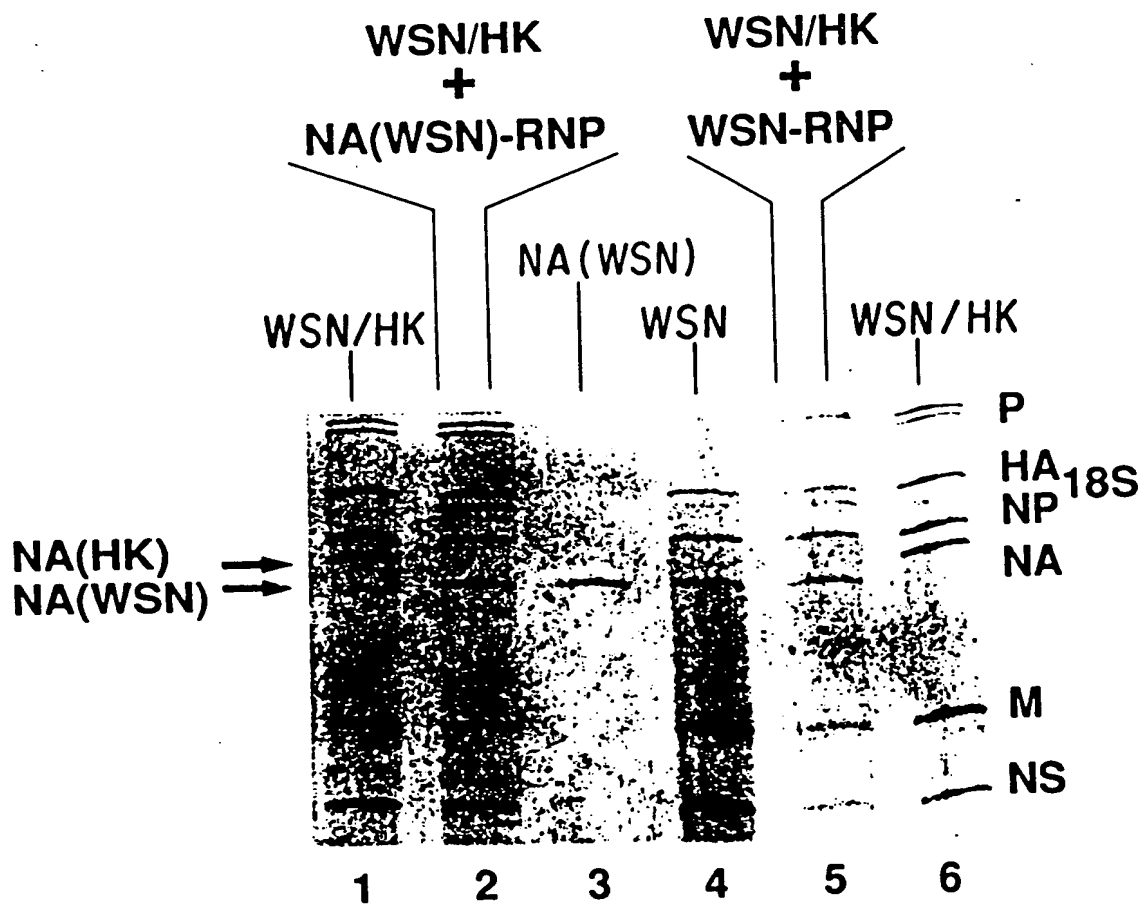


FIG. 17

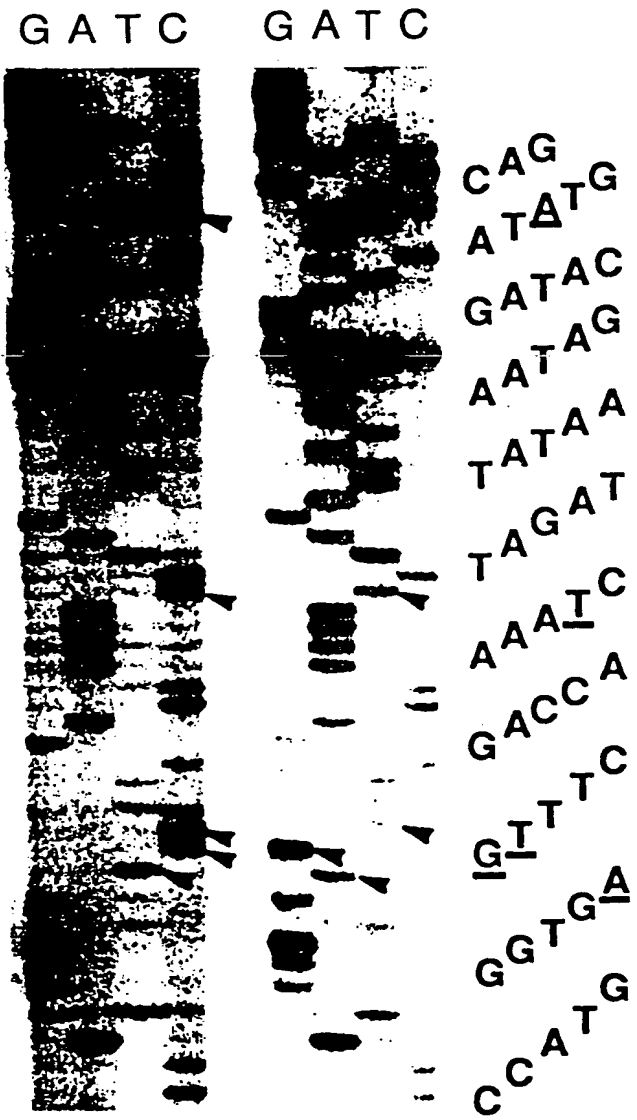


FIG. 18

FIG.19



1	2	3	4	5	6	7	8
C	NAKED RNA	NO VIRUS	INF. VIRUS	PB2	PB2 PB1	PB2 PB1 PA	PB2 PB1 PA NP
	NO VIRUS						



9	10	11
PB2 PA NP	PB2 PB1 PA NP	PB1 PA NP

009959-09499

FIG.20A

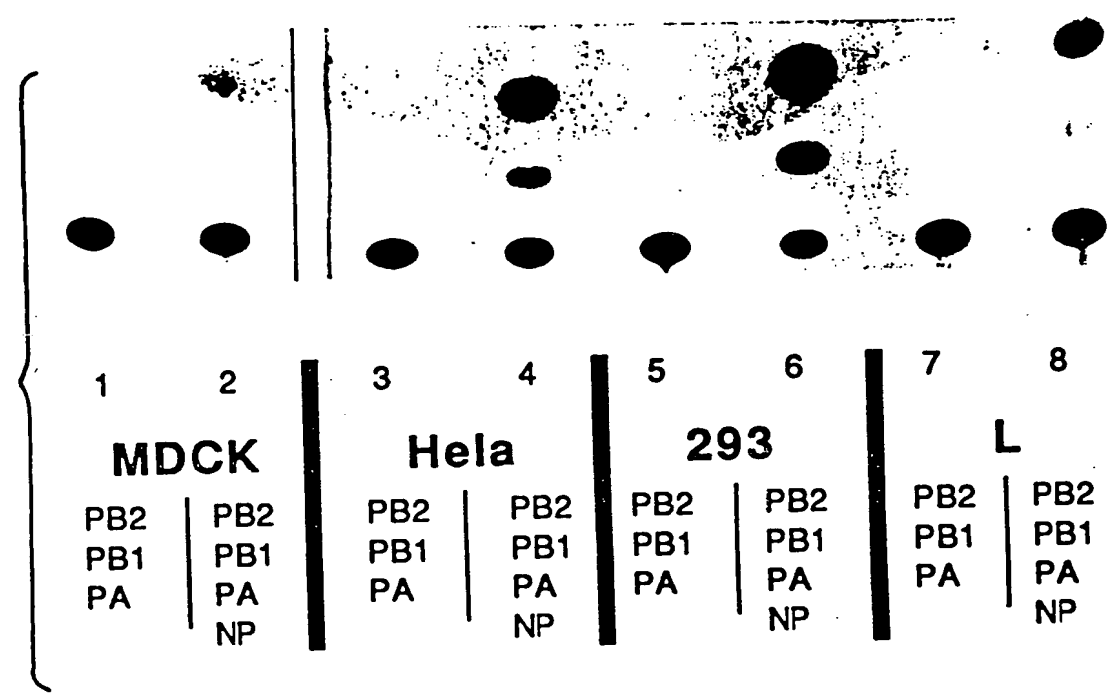


FIG.20B

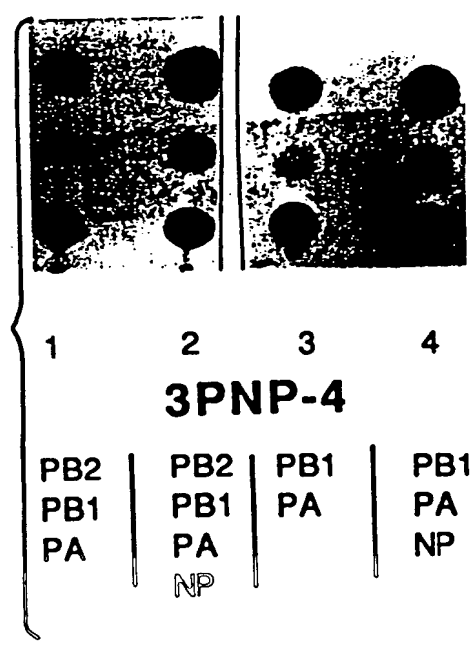
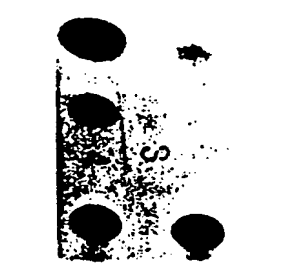


FIG.20C



664760" 66596660

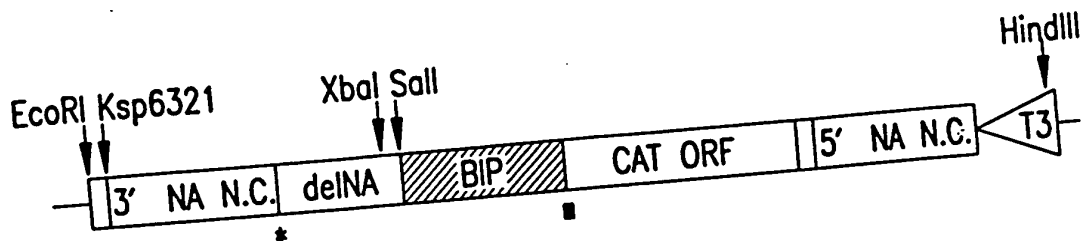


FIG. 21A

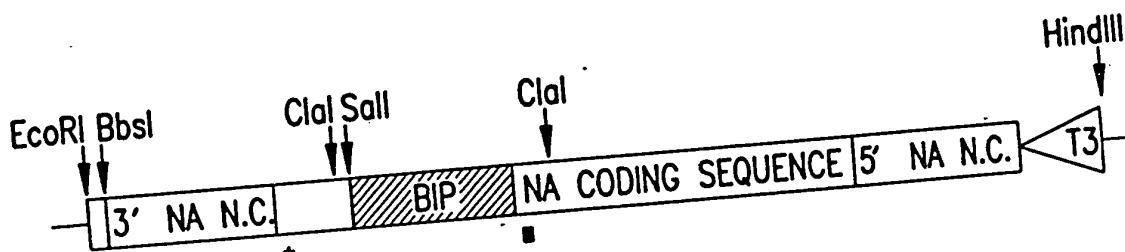


FIG. 21B

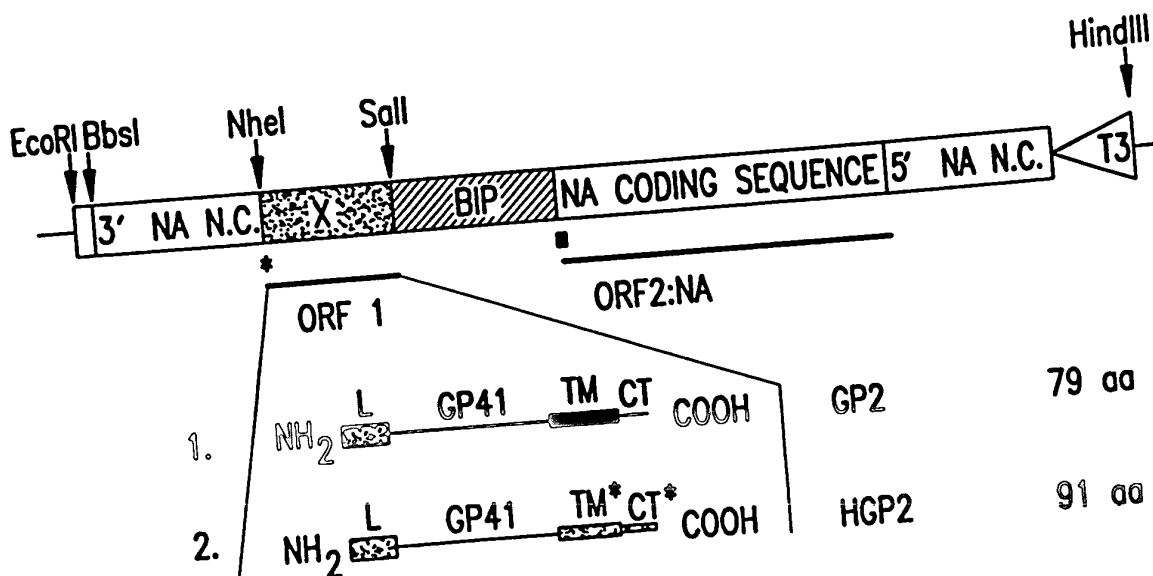


FIG. 21C

030653-0449  
 654760-0550660

NACAT(wt)  
deINA/BIP-CAT  
mock



FIG.22

09395530 04199  
664760 66596660

APPROVED  
FIG.  
SUBCLASS  
DRAFTSMAN

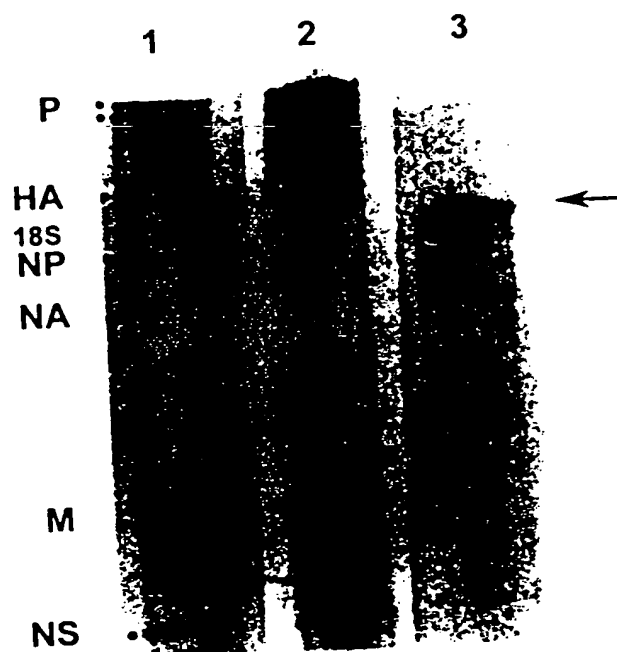


FIG. 23

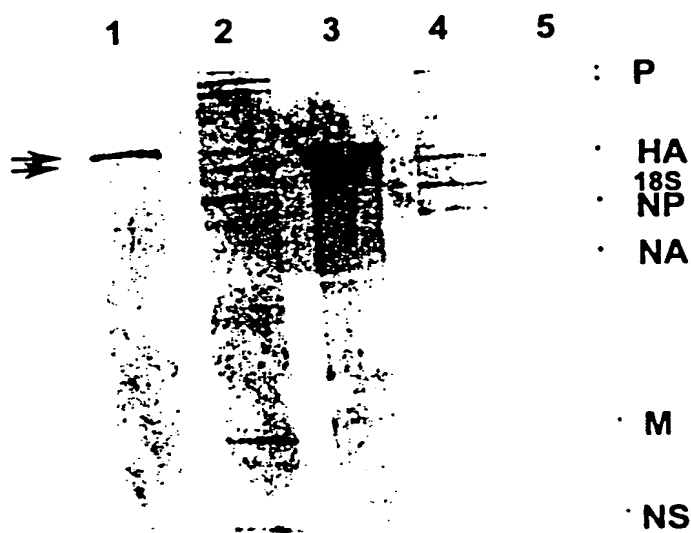


FIG.24

004760 00000000



APPROVED	FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG.25A

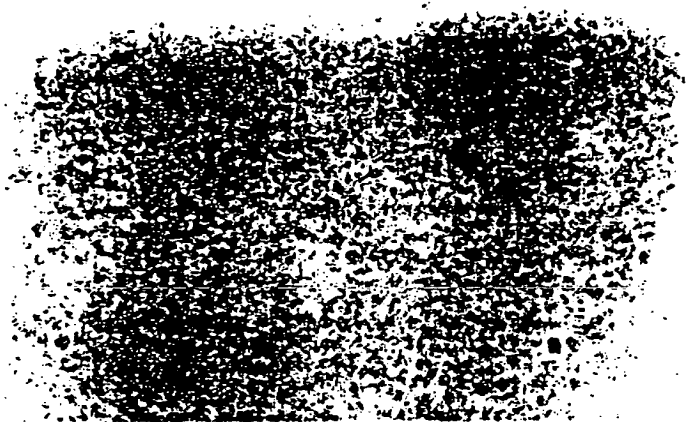


FIG.25B

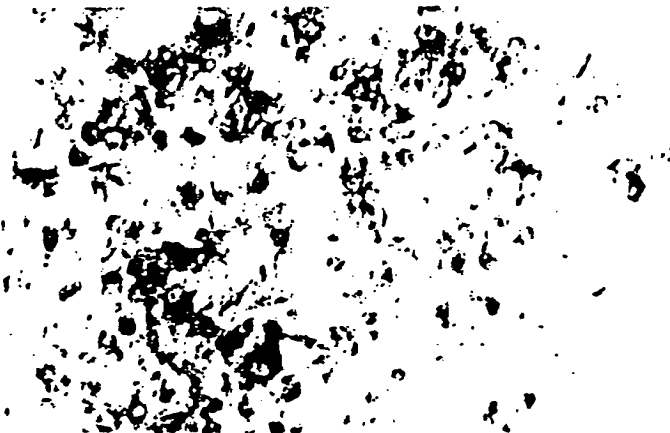


FIG.25C



664760" 6E596E60

APPROVED	BY	DATE
DRAFTSMAN	CLASS	SUBCLASS

654760" 6E590600

1 2 3



FIG.26A

1 2 3



FIG.26B

-30,000  
-20,000  
-14,400